Network Fault Alerting System and Method

ABSTRACT

An enhancement to computer network maintenance technology which reduces

redundant and inaccurate fault reporting and alerting based upon implementation of

5   logic which determines the most likely single point of failure. In modern computer

and telephone networks, certain single points of failure result in the false appearance

of multiple failures. However, by analyzing the pattern of apparent failures in view of

the known network topology, a single point of failure can be determined as the root

cause of the multiple failure indications. An enhancement to the currently-available

10   network maintenance technology, including software applications executing on

network server platforms, provides this fault determination logic, filters spurious and

incorrect failure reports, and posts failure reports only for the single point failure.